

# SCOPE OF CLAIMS

1. An audio equipment for processing an audio signal and a video signal for a video signal receiver connected thereto, comprising: <sup>for the audio equipment, the control panel</sup> a control panel <sup>having a predetermined physical layout;</sup> means for detecting an operated state of a control panel; and <sup>the portion thereof</sup>

means for producing a video signal to display an image <sup>the physical layout of</sup> simulating the control panel on the video signal receiver;

the arrangement being such that when the control panel is operated, <sup>the change in operated state of the portion thereof</sup> a video signal is produced in which the display at a position corresponding to a portion of the <sup>the control panel</sup> displayed image which is detected as being operated on the control panel is varied.

2. A method of displaying operation of an audio equipment, comprising the steps of <sup>the portion thereof</sup> detecting an operated state of a control panel of the audio equipment, and <sup>the portion thereof</sup> varying an image of an operated portion of an image simulating the control panel. <sup>the portion thereof</sup>

3. An audio equipment for processing an audio signal and a video signal for a video signal receiver connected thereto, comprising:

means for selecting and outputting signals from input terminals; and

means for storing the names of devices connected to said input terminals and producing a video signal to display a list of the <sup>input terminals and corresponding</sup> names of the devices;

the arrangement being such that when one of the signals from the input terminals is selected, a video signal is produced in which the display at a position corresponding to the selected input terminal is varied on the displayed list.

4. A method of displaying operation of an audio equipment, comprising the steps of:

producing an image to display <sup>input terminals and</sup> the names of devices <sup>connected to</sup> input terminals;

detecting a selected one of the signals from the input terminals; and

varying an image of a portion corresponding to the selected input terminal on said list.

5. A broadcast receiving apparatus for receiving broadcast signals and processing a video signal for a video signal receiver connected thereto, comprising:

means for storing the frequencies, set names, and sound field setting information of broadcast signals which

are selectively receivable; and

means for producing a video signal to display a list of the stored frequencies, set names, and sound field setting information on the video signal receiver;

the arrangement being such that a video signal is produced in which the display at a position corresponding to a selected broadcast signal is varied on the displayed list.

6. A method of displaying operation of a broadcast receiving apparatus, comprising the steps of:

producing an image to display a list of the frequencies and/or set names and sound field setting information of broadcast signals which are selectively receivable;

detecting a selected broadcast signal; and

varying an image of a portion corresponding to the selected broadcast signal on the list.

7. An audio equipment for processing an audio signal and a video signal for a video signal receiver connected thereto, comprising:

means for processing an input signal into desired characteristics and outputting the processed input signal;

means for storing a plurality of settings of processed characteristics; and

means for producing a video signal to display a

list of the plurality of settings on the video signal receiver;

the arrangement being such that when one of the settings of processed characteristics is selected, a video signal is produced in which the display at a position of the setting of a selected one of the processed characteristics is varied on the list.

8. A method of displaying operation of an audio equipment, comprising the steps of:

producing an image signal to display a list of a plurality of settings of processed characteristics;

detecting the setting of a selected one of the processed characteristics; and

varying an image of a portion corresponding the setting of the selected one of the processed characteristics on the list.

9. An audio equipment for processing an audio signal and a video signal for a video signal receiver connected thereto, comprising:

means for processing an input signal into desired sound field characteristics and outputting the processed input signal;

means for setting a parameter of processing of the

sound field characteristics; and

means for producing a video signal to display the set parameter on the video signal receiver;

the arrangement being such that when the parameter is set for the shape of a sound field, an image indicative of a standard shape of sound field is displayed on the video signal receiver, and a video signal is produced in which the image is enlarged or contracted as the parameter is varied.

10. A method of displaying operation of an audio equipment, comprising the steps of:

producing an image to display an image indicative of the shape of a standard sound field;

detecting setting of a parameter of the shape of a sound field; and

enlarging or contracting the image as the parameter is varied.

11. An audio equipment for processing an audio signal and a video signal for a video signal receiver connected thereto, comprising:

means for processing an input signal into desired sound field characteristics and outputting the processed input signal;

means for setting a parameter of processing of the

sound field characteristics; and

means for producing a video signal to display the set parameter on the video signal receiver;

the arrangement being such that when the parameter is set for the material of a wall surface around a sound field, an image indicating the shape of the sound field is displayed on the video signal receiver, and a video signal is produced in which the color of a portion corresponding to the wall surface of the image is varied as the parameter is varied.

12. A method of displaying operation of an audio equipment, comprising the steps of:

producing an image to display an image indicative of a sound field;

detecting setting of a parameter of the material of a wall surface around the sound field; and

varying the color of a portion corresponding to the wall surface of the image as the parameter is varied.